

WHAT IS CLAIMED IS:

1. A method in a data processing system having a program, the method comprising the steps of:

5 a subscriber subscribing to a datatype, the datatype having a predetermined runtime property that restricts use of the datatype, the datatype being associated with a data referenced in the datatype and maintained separate from the datatype;

receiving the datatype responsive to the subscription;

determining whether the runtime properties are valid;

10 if the runtime properties are valid, determining whether a user of the subscriber has permission to access the data referenced in the datatype; and

if the user has permission to access the data, providing the user access to the data.

2. The method of claim 1, wherein the runtime property is stored in a metadata of the datatype.

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3. The method of claim 1, wherein the runtime property relates to the data.

4. The method of claim 1, wherein the step of determining whether the user has permission to access the data comprises determining whether the user is a registered user.

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5. A computer-readable medium containing instructions that cause a program in a data processing medium to perform a method comprising the steps of:

25 a subscriber subscribing to a datatype, the datatype having a predetermined runtime property that restricts use of the datatype, the datatype being associated with a data referenced in the datatype and maintained separate from the datatype;

receiving the datatype responsive to the subscription;

determining whether the runtime properties are valid;

if the runtime properties are valid, determining whether a user of the subscriber has permission to access the data referenced in the datatype; and

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if the user has permission to access the data, providing the user access to the data.

6. The computer-readable medium of claim 5, wherein the runtime property is stored in a metadata of the datatype.

7. The computer-readable medium of claim 5, wherein the runtime property relates to the data.

8. The computer-readable medium of claim 5, wherein the step of determining whether the user has permission to access the data comprises determining whether the user is a registered user.

9. A data processing system comprising:

a memory having a program that subscribes a subscriber to a datatype, the datatype having a predetermined runtime property that restricts use of the datatype, the datatype being associated with a data referenced in the datatype and maintained separate from the datatype, receiving the datatype responsive to the subscription, determines whether the runtime properties are valid, determines whether a user of the subscriber has permission to access the data referenced in the datatype if the runtime properties are valid, and provides the user access to the data if the user has permission to access the data; and
a processing unit that runs the program.

10. A data processing system comprising:

means for subscribing a subscriber to a datatype, the datatype having a predetermined runtime property that restricts use of the datatype, the datatype being associated with a data referenced in the datatype and maintained separate from the datatype;
means for receiving the datatype responsive to the subscription;
means for determining whether the runtime properties are valid;
means for determining whether a user of the subscriber has permission to access the data referenced in the datatype if the runtime properties are valid; and
means for providing the user access to the data if the user has permission to access the data.